

# Rainman 12VDC Portable Quick Reference

(READ OPERATION MANUAL FOR FULL INSTRUCTIONS AND WARNINGS)

## Set Up:

- 1 Place system level, no more than 2m (6ft) above water line
- 2 Remove all hose caps
- 3 Connect black high pressure hose to pressure supply unit
- 4 Put intake hose and green brine output hose into source water
- 5 Keep white product water hose on deck
- 6 Open pressure control valve
- 7 Connect the power cable to a 12VDC power source capable of comfortably providing up to a 40 amp load.

## Operating Watermaker:

- 8 Switch on pressure supply unit
- 9 Water flows from green brine output hose
- 10 Wait until stream from green hose is completely bubble free
- 11 Slowly close pressure control valve to 55 bar (800psi)
- 12 Let product water flow for 30 seconds, or until taste is pure
- 13 Place white product water hose in tank to fill

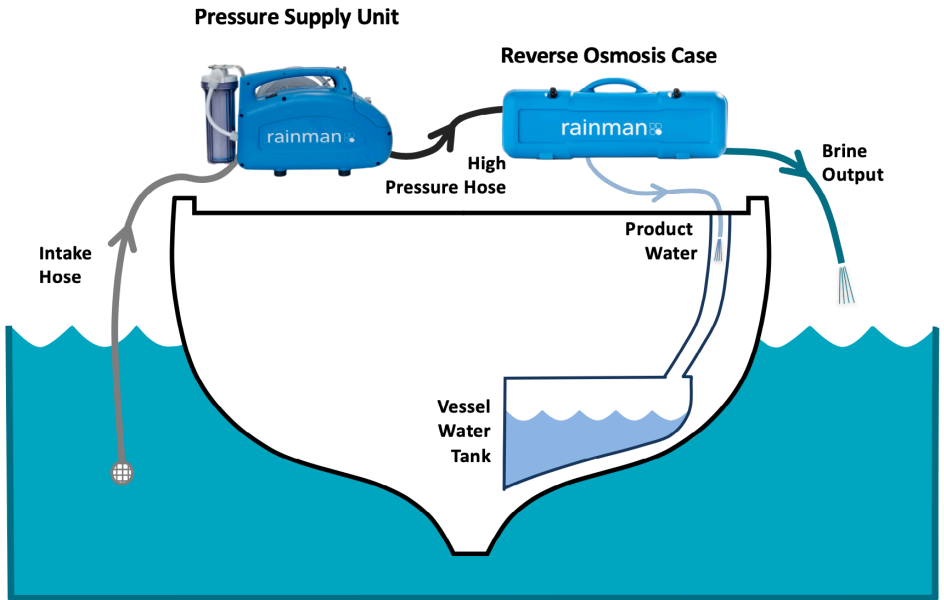
## Switch Off:

- 14 Open pressure control valve to release pressure in system
- 15 Switch off pressure supply unit

## Freshwater Flush and Pickling:

- 16 After filling tank, fill bucket with 10 litres (2.5 gallons) water
- 17 If system is to be stored, add 3 tbsp sodium metabisulphite
- 18 Stop motor, move intake hose to bucket, start motor. Keep the pressure control valve wide open.
- 19 When bucket is almost empty, switch off watermaker

# Rainman System Concept



## Some Important Warnings



- ✓ Never allow the system to run without intake being submerged as this damages pumps
- ✓ Never run city or tap water through system as the chlorine can damage the RO membranes
- ✓ Never exceed 58 bar (850psi) in the system
- ✓ Never run with caps on hoses
- ✓ Always pickle the RO membranes if storing system for prolonged period
- ✓ Never place Pressure Supply Unit or power cables where there is a risk of getting wet.